

## SEQUENCE LISTING

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## (1) GENERAL INFORMATION

- (i) APPLICANT: O'Gorman, Steve  
Wahl, Geoffrey
- (ii) TITLE OF THE INVENTION: Site-Specific Recombination  
in Eukaryotes and Constructs Useful Therefor
- (iii) NUMBER OF SEQUENCES: 6
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Gray Cary Ware & Freidenrich
  - (B) STREET: 4365 Executive Drive, Suite 1600
  - (C) CITY: San Diego
  - (D) STATE: CA
  - (E) COUNTRY: USA
  - (F) ZIP: 92121
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Diskette
  - (B) COMPUTER: IBM Compatible
  - (C) OPERATING SYSTEM: DOS
  - (D) SOFTWARE: FastSEQ for Windows DEMONSTRATION Version 2.0D
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER:
  - (B) FILING DATE:
  - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER:
  - (B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Reiter, Stephen E
  - (B) REGISTRATION NUMBER: 31,192
  - (C) REFERENCE/DOCKET NUMBER: Salk2190
- (ix) TELECOMMUNICATION INFORMATION:
  - (A) TELEPHONE: 619-677-1409
  - (B) TELEFAX: 619-677-1465
  - (C) TELEX:

## (2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 1022 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

08919501 082897

ATGGAGCAAA	AGCTGATTTC	TGAGGAGGAT	CTGGGAGGAC	CCAAGAAGAA	GAGGAAGGTG	60
TCCAATTTAC	TGACCGTACA	CCAAAATTTG	CCTGCATTAC	CGGTTCGATGC	AACGAGTGAT	120
GAGGTTCGCA	AGAACCCTGAT	GGACATGTTC	AGGGATCGCC	AGGCGTTTTC	TGAGCATACC	180
TGGAAAATGC	TTCTGTCCGT	TTGCCGGTCG	TGGGCGGCAT	GGTGCAAGTG	AATAACCGGA	240
AATGGTTTCC	CGCAGAACCT	GAAGATGTTC	GCGATTATCT	TCTATATCTT	CAGGCGCGCG	300
GTCTGGCAGT	AAAAACTATC	CAGCAACATT	TGGGCCAGCT	AAACATGCTT	CATCGTCGGT	360
CCGGGCTGCC	ACGACCAAGT	GACAGCAATG	CTGTTTCACT	GGTTATGCGG	CGGATCCGAA	420
AAGAAAACGT	TGATGCCCGT	GAACGTGCAA	AACAGGCTCT	AGCGTTCGAA	CGCACTGATT	480
TCGACCAGGT	TCGTTCACCT	ATGGAAAATA	GCGATCGCTG	CCAGGATATA	CGTAATCTGG	540
CATTTCTGGG	GATTGCTTAT	AACACCCTGT	TACGTATAGC	CGAAATTGCC	AGGATCAGGG	600
TTAAAGATAT	CTCACGTACT	GACGGTGGA	GAATGTTAAT	CCATATTGGC	AGAACGAAAA	660
CGCTGGTTAG	CACCGCAGGT	GTAGAGAAGG	CACCTAGCCT	GGGGGTAAC	AAACTGGTCG	720
AGCGATGGAT	TTCCGTCTCT	GGTGTAGCTG	ATGATCCGAA	TAACTACCTG	TTTTGCCGGG	780
TCAGAAAAAA	TGGTGTGCGC	GCGCCATCTG	CCACCAGCCA	GCTATCAACT	CGCGCCCTGG	840
AAGGGATTTT	TGAAGCAACT	CATCGATTGA	TTTACGGCGC	TAAGGATGAC	TCTGGTCAGA	900
GATACCTGGC	CTGGTCTGGA	CACAGTGCCC	GTGTCGGAGC	CGCGCGAGAT	ATGGCCCCGC	960
CTGGAGTTTC	AATACCGGAG	ATCATGCAAG	CTGGTGGCTG	GACCAATGTA	AATATTGTCA	1020
TG						1022

## (2) INFORMATION FOR SEQ ID NO:2:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 29 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

GTCTAGTAAT	GTCCAACACC	TCCCTCAGT	29
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## (2) INFORMATION FOR SEQ ID NO:3:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 31 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

CTCTGAGCCA	GCTCCCGGCC	AAGCCAGCAC	C	31
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## (2) INFORMATION FOR SEQ ID NO:4:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 652 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GTCTAGTAAT	GTCCAACACC	TCCCTCAGTC	CAAACACTGC	TCTGCATCCA	TGTGGCTCCC	60
ATTTATACCT	GAAGCACTTG	ATGGGGCCTC	AATGTTTTAC	TAGAGCCCAC	CCCCCTGCAA	120
CTCTGAGACC	CTCTGGATTT	GTCTGTCACT	GCCTCACTGG	GGCGTTGGAT	AATTTCTTAA	180
AAGGTCAAGT	TCCCTCAGCA	GCATTCTCTG	AGCAGTCTGA	AGATGTGTGC	TTTCACAGTT	240
ACAAATCCAT	GTGGCTGTTT	CACCCACCTG	CCTGGCCTTG	GGTTATCTAT	CAGGACCTAG	300
CCTAGAAGCA	GGTGTGTGGC	ACTTAACACC	TAAGCTGAGT	GACTAACTGA	ACACTCAAGT	360
GGATGCCATC	TTTGTCACTT	CTTGACTGTG	ACACAAGCAA	CTCCTGATGC	CAAAGCCCTG	420

CCCACCCCTC	TCATGCCCAT	ATTTGGACAT	GGTACAGGTC	CTCACTGGCC	ATGGTCTGTG	480
AGGTCCTGGT	CCTCTTTGAC	TTCATAATTC	CTAGGGGGCCA	CTAGTATCTA	TAAGAGGAAG	540
AGGGTGCTGG	CTCCCAGGCC	ACAGCCCACA	AAATTCCACC	TGCTCACAGG	TTGGCTGGCT	600
CGACCCAGGT	GGTGTCCCCT	GCTCTGAGCC	AGCTCCCGGC	CAAGCCAGCA	CC	652

## (2) INFORMATION FOR SEQ ID NO:5:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 34 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

ATAACTTCGT	ATAGCATACA	TTATACGAAG	TTAT	34
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## (2) INFORMATION FOR SEQ ID NO:6:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 86 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

CCCGGGATCA	ATTACCATG	GGAATAACTT	CGTATAGCAT	ACATTATACG	AAGTTATGGA	60
TCCGCCGCTA	TCAGGACATA	GCGTTG				86

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